

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10 (Canceled).

Claim 11 (New): A multilayer insulating panel comprising:

an injected/foamed plastic core incorporated between two layers of non-expanded material; and

an integrated assembly system allowing the panel and at least one other complementary panel to be assembled in at least one dimension in space,

wherein the panel and its assembly system are of a form that, when the panel and complementary panel are assembled, they delimit with their assembly system at least one adjustable cavity configured for injecting a seal, the cavity widening at least partly towards the inside of the panel.

Claim 12 (New): A multilayer insulating panel according to claim 11, mainly made of plastic.

Claim 13 (New): A multilayer insulating panel according to claim 12, wherein the expanded plastic core is made of polyurethane and the two layers of non-expanded plastic are made of rigid PVC.

Claim 14 (New): A multilayer insulating panel according to claim 11, wherein the assembly system includes two identical plastic sections located on either side of the panel in a lengthwise direction.

Claim 15 (New): A multilayer insulating panel according to Claim 11, wherein once they have been assembled, the two complementary panels and their assembly systems delimit two cavities, one on each face of the assembly.

Claim 16 (New): A process for manufacturing an insulating panel according to claim 11, wherein an insulating panel of desired shape is manufactured and an assembly system, also of desired shape, is fixed to the panel to obtain at least one cavity widening towards the inside of the panel once the panel is assembled with the complementary panel, the cavity being adjustable and configured for injecting a seal and the panel being manufactured by injecting/foaming an expanded plastic core between two layers of non-expanded plastic.

Claim 17 (New): A process according to the claim 16, including:
two non-expanded plastic or metal leaves are manufactured along with two complementary plastic sections of the same length as the leaves and the panel, featuring a folded section at each of their ends;

two ends of the two leaves parallel to the panel length are folded so as to obtain an acute angle between each fold and the remainder of the leaves;

one of the two folded leaves is placed in a mold along with the two sections positioned with one end inside the folded ends of the leaf and held by jigs located laterally inside the mold;

the second folded leaf is placed over the two sections such that its folded ends cover the other end of the sections and that an internal space is delimited by the two leaves and the two sections;

expanded plastic is injected into the said internal space; and
the panel is extracted from the mold.

Claim 18 (New): A process according to claim 17, wherein the leaves are folded using a roller folding machine.

Claim 19 (New): A process for assembling insulating panels according to claim 11, according to which two complementary multilayer panels with an injected/foamed plastic core incorporated between two layers of non-expanded material are assembled such that they delimit with their assembly system at least one adjustable cavity widening towards the inside of the panel and according to which a sealant is then injected into this cavity.

Claim 20 (New): Use of insulating panels according to claim 11 as an insulating lining or insulating self-standing structural wall for the storage of animal feeds or the construction of shelters.